ATLONA
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User Manual

VGA to Component or Component to VGA Converter Scaler
AT-VGA300CV

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USA ★★★★★ SINCE 2003

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INTRODUCTION

The Atlona AT-VGA300CV is a very advanced scaler box, designed to convert any PC/Laptop input to component video or Component video input to VGA output. The Atlona scaler is capable of accepting a wide-range of PC or HDTV resolutions up to WUXGA/1080P. This scaler/converter has a comprehensive on-screen menu which allows user to select from a variety of resolutions, picture adjustments ets.

PACKAGE INCLUDES

- 1x AT-VGA300CV
- 1x 5v Universal Power Supply
- 1x 3ft VGA to Component Breakout Cable
- 1x User Manual

FEATURES

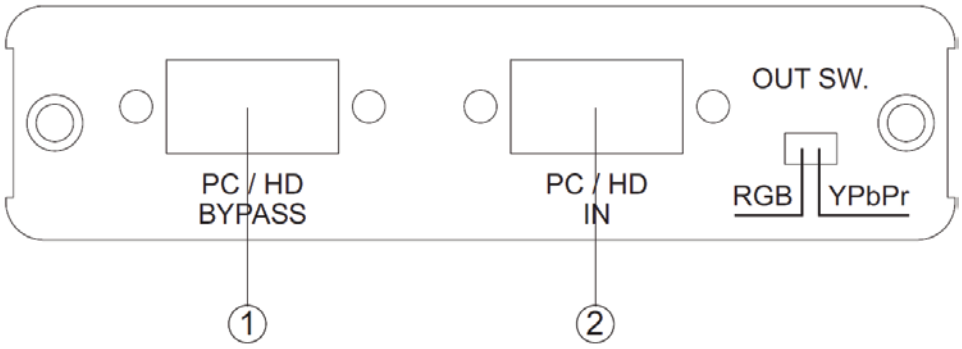
- Scales any PC or HDTV resolutions to PC or HDTV resolution up to WUXGA or 1080p
- Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, rgb (color tone) level and aspect ratio size.
- Has a loop-out for connecting to a local monitor.
- Supports high resolution output:
  PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA
  SD/HD: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p.
- Converts PC (VGA) signal from PC or Laptop to Component Video
- Converts Component Video signals from DVD's, Video Games ets. to VGA inputs on Computer monitors, Projectors, Plasma Screens

SPECIFICATIONS

Input ports	1 x HD15 (Could be used for PC or Component Video)
Output ports	1 x HD15 (Could be used for PC or Component Video)
Loop-out port	1 x HD15 (Could be used for PC or Component Video)
Power Supply	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions (mm)	157(d) x 102(w) x 25(h)
Weight(g)	332
Chassis Material	Aluminum
Silk Skin Color	Black
Operating Temperature	Operating from 0°C ~ 48°C

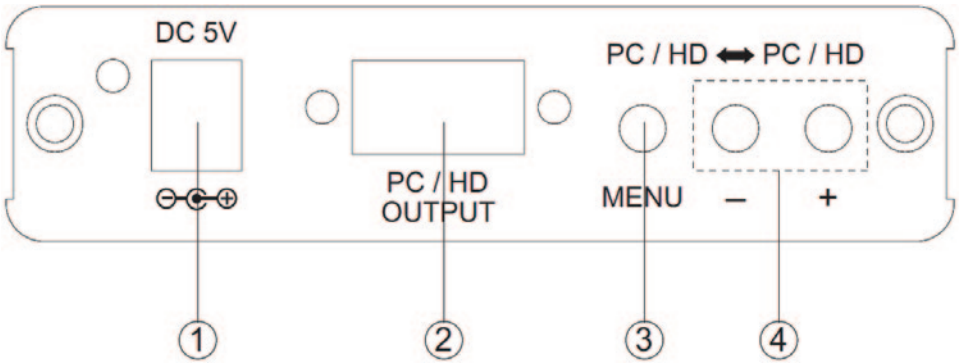
PANEL DESCRIPTION

1. Front Panel



1. PC/HD BYPASS: BYPASS THE PC/HD INPUT SIGNAL.
2. INPUT: CONNECT THE PC INPUT D-SUB (15-PIN) PORT TO THE D-SUB OUTPUT PORT OF YOUR SOURCE EQUIPMENT SUCH LIKE PC.

2. Rear Panel



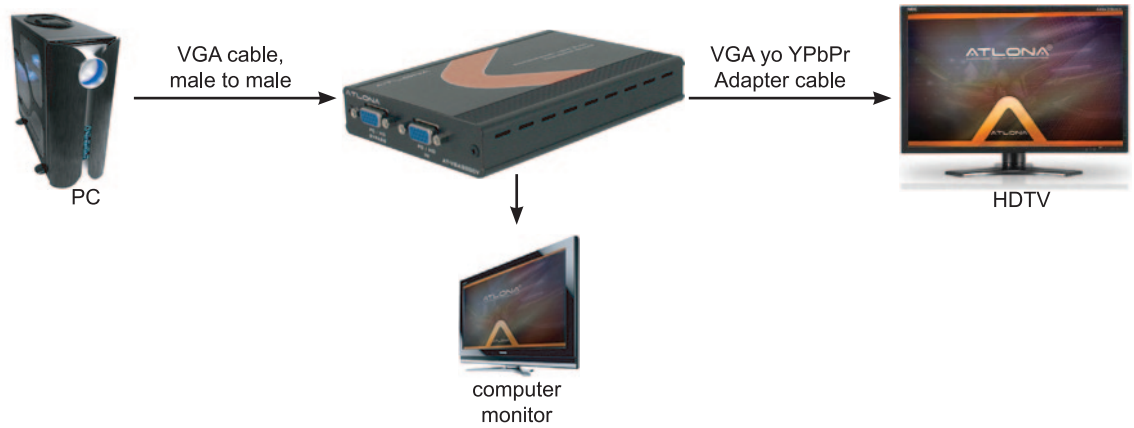
1. POWER: PLUG THE 5VDC POWER SUPPLY INTO THE UNIT AND CONNECT THE ADAPTOR TO AC WALL OUTLET.
2. PC/HD OUTPUT: CONNECT THE PC OUTPUT D-SUB (15-PIN) PORT TO THE D-SUB INPUT PORT OF YOUR DISPLAY.
3. MENU BUTTON: PRESS THE MENU BUTTON TO BRING UP OSD OPERATION MENU. (SEE SECTION "4. OSD OPERATION" FOR REFERENCE.)
4. +/- BUTTON:
   a. THE MINUS (–) BUTTON WILL AUTO ADJUST THE PICTURE.
   b. ON THE FIRST TIER OF OSD MENU, USE + AND – BUTTONS TO MOVE UP/DOWN THE HIGHLIGHT ITEM FOR SELECTION.
   c. ONCE THE DESIRED OPTION IS SELECTED, USE + AND – BUTTONS TO TOGGLE BETWEEN SETTING VALUES.

OSD OPERATION

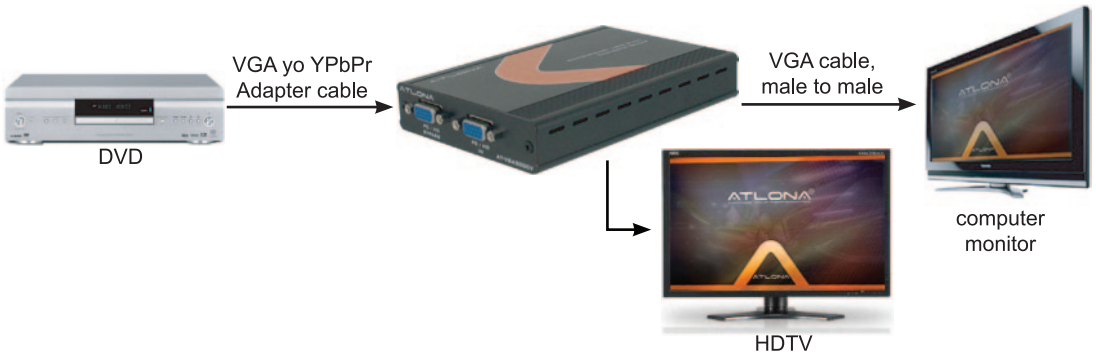
1 st Tier Option	2 nd Tier Option	Adjustment
CONTRAST	-	0 ~ 100 of Contrast Level
BRIGHTNESS	-	0 ~ 100 of Contrast Level
FINETUNE	- PHASE - CLOCK - VERTICAL - HORIZONTAL	0 ~ 100 of the Scaler's Pixel Alignment 0 ~ 100 of Clock Adjustment 0 ~ 100 of the Signal's Vertical Position 0 ~ 100 of the Signal's Horizontal Position
COLOR	- RED - GREEN - BLUE - EXIT	0 ~ 100 of Red Color Level 0 ~ 100 of Green Color Level 0 ~ 100 of Blue Color Level Back to 1st Tier
SIZE	-	FULL / OVERSCAN / UNDERSCAN /LETTERBOX / PANS-CAN
OUTPUT	-	NATIVE / VGA / SVGA / XGA /SXGA /UXGA / 480i / 480p /720p@60Hz / 1080i@60Hz /1080p@60Hz / 576i / 576p /720p@50Hz / 1080i@50Hz / 1080p@50Hz / WXGA / WSXGA /WUXGA
AUDIO	-	EAR PHONE / OPTICAL
OSD	- HPOSITION - VPOSITION - TIMER - BACKGROUND - EXIT	0 ~ 100 of OSD Horizontal Position 0 ~ 100 of OSD Vertical Position 0 ~ 100 of OSD Existing Time (sec.) 0 ~ 100 of OSD Transparent Level Back to 1st Tier
INFORMATION	-	SOURCE (Input Interface) INPUT (Input Resolution) OUTPUT (Output Resolution) VERSION (Firmware Version
EXIT	-	Close OSD Menu

CONNECTION DIAGRAM

1. PC to Component Video



2. Component video to PC



Selecting Component Video Output

- Press "Menu" and "-" at the same time

Selecting VGA output:

- Press "Menu" and "+" at the same time

SUPPORT RESOLUTION

	PC INPUT	PC OUTPUT
	PC/HD	PC/HD
480I/576I (NTSC/PAL)	v	v
480P/576P	v	v
720P@(50/60)	v	v
1080I@(25/30)	v	v
1080P@(50/60)	v	v
VGA@(60/72/75/85)	v	v
SVGA@(56/60/72/75/85)	v	v
XGA@(60/70/75/85)	v	v
SXGA@(60/75/85)	v	v
UXGA@60	v	v
WXGA@60(1280x800)	v	v
WSXGA@60(1680x1050)	v	v
WUXGA@60(1920x1200)	v	v

RESETTING the UNIT

1. Press and hold "Menu" button for 5 seconds
2. Disconnect power plug from the unit while holding the "Menu" and wait for 5 seconds
3. Connect the power plug back in and continue holding the "Menu" for another 5 seconds
4. Release the "Menu" and allow up to 10 seconds for the unit to connect to the display

SAFETY INFORMATION

Safeguards

To reduce the risk of electric shock, do not expose this product to rain or moisture

Do not modify the wall plug. Doing so will void the warranty and safety features.

If the wall plug does not fit into your local power socket, hire an electrician to replace your obsolete socket.

This equipment should be installed near the socket outlet and the device should be easily accessible in the case it requires disconnection.

Precautions

FCC regulations state that any unauthorized changes or modifications to this equipment, not expressly approved by the manufacturer, could void the user's authority to operate this equipment.

Operate this product using only the included external power supply. Use of other power supplies could impair performance, damage the product, or cause fires.

In the event of an electrostatic discharge this device may automatically turn off. If this occurs, unplug the device and plug it back in.

Protect and route power cords so they will not be stepped on or pinched by anything placed on or against them. Be especially careful of plug-ins or cord exit points from this product.

Avoid excessive humidity, sudden temperature changes or temperature extremes.

Keep this product away from wet locations such as bathtubs, sinks, laundries, wet basements, fish tanks, and swimming pools.

Use only accessories recommended by Atlona to avoid fire, shock, or other hazards.

Unplug the product before cleaning. Use a damp cloth for cleaning and not cleaning fluid or aerosols. Such products could enter the unit and cause damage, fire, or electric shock. Some substances may also mar the finish of the product.

Never open, remove unit panels, or make any adjustments not described in this manual. Attempting to do so could expose you to dangerous electrical shock or other hazards. It may also cause damage to your AT-VGA300CV. Opening the product will void the warranty.

Do not attempt to service the unit. Disconnect the product and contact your authorized Atlona reseller or contact Atlona directly.

WARRANTY

Limited Warranty

Atlona Technologies warrants that (a) its products (the AT-VGA300CV) will perform substantially in accordance with the accompanying written materials for a period of 3 years from the date of receipt and (b) that the product will be free from defects in materials and workmanship under normal use and service for a period of 3 years. In the event applicable law imposes any implied warranties, the implied warranty period is limited to 3 years from the date of receipt. Some jurisdictions do not allow such limitations on duration of an implied warranty, so the above limitation may not apply to customers that fall within those areas.

Customer Remedies

Atlona Technologies' and its suppliers' entire liability and Customer's exclusive remedy shall be, at Atlona Technologies' decision, either return of the price paid for the product, repair, or replacement of the product that does not meet this Limited Warranty and which is returned to Atlona Technologies with a copy of the Customer's receipt. This Limited Warranty is void if failure of the product has resulted from accident, abuse, misapplication, or natural occurrence. In example but not limited to: power surges (electrical storms, local power outage), dropping the product (or items on the product), contact with fluids, and physical misconduct (i.e. kicking or punching). Any replacement product will be warranted for the remainder of the original warranty period.

No other warranties

To the maximum extent permitted by applicable law, Atlona Technologies and its suppliers disclaim all other warranties, either expressed or implied, including, but not limited to, implied warranties of merchantability and fitness for a particular purpose, with regard to the product and any related written materials. This Limited Warranty gives customer specific legal rights. Customers may have other rights depending on the jurisdiction.

No liability for damages

To the maximum extent permitted by applicable law, in no event shall Atlona Technologies or its suppliers be liable for any damages arising out of the use of or inability to use this product, even if Atlona Technologies has been advised of the possibility of such damages. Such damages include but are not limited to: special, incidental, consequential, or indirect damages for personal injury, loss of business profits, business interruption, loss of business information, or any other pecuniary loss. Atlona Technologies' and its suppliers' entire liability under any provision of this agreement shall be limited to the amount actually paid by you for the product. Some Jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damage. The above limitations may not apply to you in such jurisdictional cases.

ATLONA PRODUCT REGISTRATION

Thank you for purchasing this Atlona product. - We hope you enjoy it and will take an extra few moments to register your new purchase.

Registration creates an ownership record if your product is lost or stolen and helps ensure you'll receive notification of performance issues and firmware updates.

At Atlona, we respect and protect your privacy, assuring you that your registration information is completely secure. Atlona product registration is completely voluntary and failure to register will not diminish your limited warranty rights.

To register go to: http://www.atlona.com/registration